



हिमाचल प्रदेश HIMACHAL PRADESH

C 331835

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this **Sixteen** day of **July 2021** by and between

National Highways Authority of India (hereinafter called as NHAI which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns), of the First part;

AND

Jaypee University of Information Technology, Wanknaghat, Solan (hereinafter called as JUIT which the expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the Second Party.

WHEREAS,

Both the JUIT and NHAI are desirous of working together with mutual cooperation for dissemination of respective expertise in civil/highway engineering field through the road infrastructure development.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

1. INTENT:

National Highways Authority of India (NHAI) intends to associate with Jaypee University of Information Technology, Solan (JUIT) who shall voluntarily contribute its share of experience for betterment of the highway infrastructure.

2. SCOPE OF THE MoU:

The primary scope of MoU inter alia includes the following:

Regional Officer
NHAI Himachal Pradesh



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07/07/2021

Jaypee University of IT
Wazirpur, Teh - Kundli
Gurgaon (HR)

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भारत हिमाचल प्रदेश

MEMORANDUM OF UNDERSTANDING

The Memorandum of Understanding (MoU) entered into on this 28th day of July 2021 by and between
The Ministry of Education, Government of India (Ministry) and Jaypee University of Information Technology, Wazirpur, Gurgaon (JUWIT) for the purpose of
the context or meaning thereof to mean and include the activities mentioned and permitted herein.
The Ministry of Education, Government of India (Ministry) and Jaypee University of Information Technology, Wazirpur, Gurgaon (JUWIT) have entered into this MoU for the purpose of
the context or meaning thereof to mean and include the activities mentioned and permitted herein.
The Ministry of Education, Government of India (Ministry) and Jaypee University of Information Technology, Wazirpur, Gurgaon (JUWIT) have entered into this MoU for the purpose of
the context or meaning thereof to mean and include the activities mentioned and permitted herein.
WHEREFORE IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS

Regional Officer
HMA Himachal Pradesh



- i. NHAI shall facilitate the faculty, researchers and students of JUIT to familiarize with the latest trends in the highway/transportation sector with a common objective of sharing the knowledge in their respective domain. This will, in one hand, facilitate to bridge the industry – institution gap and familiarize students with the latest trends in industry and on the other hand the research output could be suitably adopted in practice by NHAI.
- ii. The institute shall adopt nearby stretches of NHs as specified in **Appendix – 1** as a voluntary initiative under ambit of Institutional Social Responsibility (ISR). The list of stretches may be modified by deletion/addition by mutual consent of NHAI and Technical Institute i.e. JUIT.
- iii. The adopted stretch may be used as a field of study for faculty, researchers and students.
- iv. NHAI shall offer internship to 40.... Number of undergraduate/postgraduate students of the institute periodically and also extend stipend.
- v. NHAI shall pay stipend @ ₹ 8000 (Rupees Eight Thousand Only) per month for undergraduate students and @ ₹ 15000 (Rupees Fifteen Thousand Only) per month to postgraduate students in Transportation Engg., Structural Engg., Geotechnical Engg., Hydraulics Engg. Infrastructure Systems, Earthquake Engg., Urban & Rural Planning, Disaster Mitigation & Management, etc. All other arrangements shall be responsibility of the institute. NHAI will extend stay and transportation facility to the interns within the project jurisdiction on best effort basis.

3. ROLES AND RESPONSIBILITIES:

The scope of this MoU shall be carried out in a collaborative mode between NHAI and JUIT. The Roles and Responsibilities of NHAI and JUIT in performing the defined objective shall be as follows:

NHAI

1. NHAI shall provide the list of potential candidate National Highway stretches for adopting by the Technical Institute;
2. NHAI shall facilitate availability of relevant data required with specific reference to the above stretches through its field office/consultant/concessionaire/contractor engaged in the project;
3. NHAI will nominate an officer as a point of contact for all correspondence in carrying out the defined objective;
4. NHAI shall facilitate the faculty, researchers and students of JUIT to give access to the site of the identified stretch being adopted by the Technical Institute, relevant documents for the purpose of the activities to be carried by these intellectuals of the Institute;
5. NHAI through its field office/Consultant/Concessionaire/Contractor engaged in the project, as per reasonable requirement, will disseminate and familiarize the latest trends and know how in highway/transportation sector in general and the identified project in specific to the authorized faculty, researchers and students of the Institute;
6. NHAI may suitably adopt the research output and feedback received from the Technical Institute in practice for qualitative improvement as deemed fit at appropriate stage of implementation.
7. NHAI may support creation of Lab infrastructure in the institute and can sponsor relevant research projects that helps in using alternative resource material and improving quality of roads.
8. The NH stretch adopted can be co-branded with the associated technical institute by NHAI

Jaypee University of Information Technology, Solan

- a. The institute shall adopt stretch(es) of NHs as specified in the Appendix – 1 as a voluntary initiative.
- b. The Technical Institute through its authorized faculty, researchers, students will carry out periodic investigation and give suitable suggestions for improving the efficiency of existing highway asset inter alia covering the following aspects:
 - i. Landslide risk mitigation and developing technologies for early warning systems.

Regional Officer
 NHAI Himachal Pradesh.

- ii. Innovative solutions pertinent to slope stability, retaining structures and other highway geotechnical issues;
 - iii. Health monitoring and assessment of highway infrastructure considering local conditions;
 - iv. Improvements in structural, nonstructural and traffic safety provisions;
 - v. Studies on Socio/environmental/technical aspects for developing new way side amenities and highway related other constructions;
 - vi. Monitoring and maintenance of highway stretches for improved performance.
 - vii. Cost effective and innovative solutions for enhancement of traffic flow speed and riding comfort.
 - viii. Potential solutions to old recurring problems based on local experience etc.
- c. The Institute may also associate with the Consultants/NHAI during conceptualization, design and project preparation of new projects and suggest the relevant parameters and innovations based on experience specific to the site climate, topography and resources potential for better socio economic outcome
- d. The Technical Institute will nominate coordinator as a point of contact for all correspondence in carrying out the defined objective as well as inform, from time to time.

4. EFFECTIVE DATE AND PERIOD OF MOU:

This MoU shall come into effect for all its intents and purposes from the immediate effect and shall remain valid for a period of 5 years from the date of signing unless terminated earlier by mutual consent by either party by giving 60 days' notice in writing to the other party.

For Jaypee University of Information Technology

For NHAI

(Dean, Academics & Research)

(RO, Himachal Pradesh)

Witness:

Witness:

15/7/21
Prof. Ashok Kumar Gupta
PhD, IIT, Delhi
Dean (Academics & Research)
Jaypee University of Information Technology,
Watepat, Dist. Solan (HP) 172004 India
(Dr. Ashish Kumar)

Regional Officer
NHAI Himachal Pradesh.

Ashok Rotaniya
Manager (Techo)
PIO Shimla

APPENDIX – 1

The Institute shall adopt the following stretch(es) of NHs as a voluntary initiative under the ambit of Institutional Social Responsibility (ISR).

S.No.	Details of the stretch (From chainage to chainage)	NH No.	Length (in Km.)	Stage Implementation (completed/under construction/ maintenance/ preparation)	of	Remarks
1.	Four laning of Parwanoo-Solan Section NH-22 (New NH-05) from Km 67.000 to Km 106.139, under NHDP phase-III on EPC basis in the State of Himachal Pradesh.	NH-22 (New NH-05)	39.139	Under construction		-
2.	Four laning of Solan-Kaithlighat of NH-22 (New NH-05) from km 106.139 to km 129.050 under NHDP Phase-III on EPC mode pattern in the state of Himachal Pradesh	NH-22 (New NH-05)	22.911	Under construction		-
3.	Four Laning of proposed Shimla Bypass from Kaithlighat to Dhalli Section on NH-22 (Chainage from km 129.050 to Km 156.507 & total length=27.457 km) in the state of Himachal Pradesh on EPC mode	NH-22 (New NH-05)	27.457	DPR under progress		-
4.	Four laning of Pinjore-Baddi-Nalagarh section of NH-21A (New NH-105) from Km. 4.200 to Km. 35.390 in the state of Himachal Pradesh.	NH 21 A (New NH- 105)	31.17	DPR Complete. Under bidding.		-

Above list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.




Regional Officer
NHAI Himachal Pradesh.